

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Riverside Avenue Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region II

**Subject:** POLREP #23  
Riverside Avenue Site  
02PC  
Newark, NJ  
Latitude: 40.7670135 Longitude: -74.1593681

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**From:** Eric M. Daly, On-Scene Coordinator

**Date:** 6/27/2014

**Reporting Period:** 06/07/14 thru 06/27/14

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	02PC	<b>Contract Number:</b>	EP-S2-10-01
<b>D.O. Number:</b>	0038	<b>Action Memo Date:</b>	8/23/2011
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	10/17/2011	<b>Start Date:</b>	10/17/2011
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	NJSFN0204232	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Time-Critical CERCLA Removal Action

#### 1.1.2 Site Description

The Riverside Avenue Site is an abandoned industrial facility on the banks of the Passaic River. Since the early 1900s the Site had been used for many businesses, including a paint manufacturer, a packaging company, and a chemical warehouse. It consists of two abandoned buildings on approximately two acres. The property is owned by the City of Newark and was acquired in tax foreclosure proceedings.

##### 1.1.2.1 Location

29 Riverside Avenue, Newark, Essex County, New Jersey, between the Passaic River and Mcarter Highway.

##### 1.1.2.2 Description of Threat

Ten abandoned 12,000-15,000 gallon USTs containing hazardous wastes have been identified on the property. Approximately 100 3,000 -10,000 gallon ASTs have been identified in the buildings, many of which have been sampled for hazardous materials. Two tanks containing an oily wastes have been identified in the basement of one of the buildings. A number of 55-gallon drums and smaller containers have been observed in the buildings. In addition, there are a number of sumps that may contain hazardous substances.

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The preliminary assessment was completed in 2010. Two basement tanks in one building and the sumps of the other building have been sampled for hazardous waste characterization. See Documents Section for results of the site assessment sampling/analytical.

## 2. Current Activities

### 2.1 Operations Section

## 2.1.1 Narrative

### 2.1.2 Current Response Activities

**Date Range: 06/07/14 thru 06/27/14** On June 09 thru June 13, 2014 OSC Daly, OSC Brescio and KEMRON Crew (Response Manager, FCA, one Operator, one Chemical Technician and two Cleanup Technicians) were working at Riverside Avenue Site. Activities included:

- KEMRON continues to transfer of hazardous liquid from Building #7 basement vaults to Frac Tanks.
- Sludge removal started on 05/21/14 in Building #7 Basement Vault #1 (Side closest to Passaic River/East Side) and continued through this date range. The crew and staff will continue to work in Level B PPE during this operation.
- MultiRae VOC Readings range from 2 ppm to 122 ppm in the hot zone depending on sludge/liquid agitation.
- On 06/06/14, one tanker transported approximately 5,300 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults. On 06/09/14, four tankers transported approximately 21,252 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults. However, there were mistakes made by the subcontractor laboratory (Original bid awarded laboratory) in presenting some of the lab data to the final disposal facility as well as the final disposal facility not properly reviewing the data. When the disposal facility sampled and analyzed the tanker contents, the Cresol levels exceeded the facilities permitted treatment levels. All liquid material was returned to the Riverside Site Frac tanks on 06/10/14.
- On 06/11/14, samples were obtained for analysis from the staged solid pile from Vault #1 as well as wet sludge samples from Vault #1 pit.
- On 06/13/14, the first section of the concrete floor was cut and removed from Vault #2. Solid material removal from Vault #2 commenced. This material will be staged separately than Vault #1 and will be considered a separate waste stream.

On June 16 thru June 20, 2014 OSC Daly, OSC Brescio and KEMRON Crew (Response Manager, FCA, two Operators, one Chemical Technician, one Cleanup Technician/Operator and one Cleanup Technicians) working at site. Activities included:

- KEMRON continues to transfer of hazardous liquid from Building #7 basement vaults to Frac Tanks.
- Sludge removal started on 06/13/14 in Building #7 Basement Vault #2 (Side closest to Building #12/West Side) and continued through this date range. The crew and staff will continue to work in Level B PPE during this operation.
- MultiRae VOC Readings range 1 ppm to 129 ppm in the hot zone depending on sludge/liquid agitation.
- On 06/16/14, one tanker transported approximately 5,160 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/17/14, one tanker transported approximately 5,850 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/18/14, two tankers transported approximately 10,597 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/19/14, two tankers transported approximately 10,720 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/20/14, one tanker transported approximately 5,475 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults. This will be the last tanker of liquid waste until after the remaining contents in the Frac tanks are filtered to lower solid percentage. The disposal expense of the hazardous code liquid accumulated has been a lot higher than anticipated due to high solids and the high concentrations of Cresol. Lab results were received for the staged solid pile from Vault #1 as well as wet sludge samples from Vault #1 pit. Due to the problems with the subcontractor laboratory (Original bid awarded laboratory), another laboratory will be used for disposal analytical analysis. Therefore, the solid samples remaining at this laboratory were forwarded to another laboratory (Original bid/2<sup>nd</sup> laboratory) for comparative analysis. Lab results anticipated by 06/26/14.

- On 06/20/14 around 4:45 pm, there was a water line break on Riverside Avenue and all water to the Riverside Industrial complex was shut off.

On June 23 thru June 27, 2014 OSC Daly, OSC Brescia and KEMRON Crew (Response Manager, FCA, two Operators, one Chemical Technician, one Cleanup Technician/Operator and one Cleanup Technicians) working at site. Activities included:

- KEMRON continues to transfer of hazardous liquid from Building #7 basement vaults to Frac Tanks.
- Sludge removal started on 06/13/14 in Building #7 Basement Vault #2 (Side closest to Building #12/West Side) and continued through this date range. The crew and staff will continue to work in Level B PPE during this operation.
- MultiRae VOC Readings range from 1 ppm to 49 ppm in the hot zone depending on sludge/liquid agitation.
- On 06/23/14, the water line on Riverside Avenue was repaired and service was restored around 12:00 PM. Frac #1 liquid was sent out for confirmation analytical to the new laboratory (Original bid/2<sup>nd</sup> laboratory). Results due back by 06/27/14.
- On 06/24/14, KEMRON observed an increase in the liquid level of Building #7 Vault #2. OSC and KEMRON performed a Level B PPE entry into Building #12 Basement. One of the remaining investigations for the removal action was to enter an underground passageway between Building #12 and Building #7. During the investigation it was noted that the water level was a lot higher than it should be; especially with no current rain events. In the past, the basement held water briefly but then the water receded (Unlike Building #7 Basement which holds the liquid). It was never determined if the water seeps through the basement walls to surrounding subsurface soil or makes it way to Building #7 (Hence the investigation of the passageway). This water level was about 10 inches. This level is higher the levels initially encountered when EPA conducted first remove action entry in 2011 post Hurricane Irene. The doorway to the tunnel was almost entirely submerged (the door entrance is lower than the main floor of the basement). It was also observed that the two tanks (which EPA removed the product from during initial removal phase) were cut up for scrap by trespassers (this occurred between the demob in May 2012 and mobilization in April 2014). Lastly, the sound of water draining was identified. Since there were no recent rain events, it was highly unlikely that water would be coming from upper floor levels. A charged city water line was observed pouring water into the basement. When the valve at the end of the pipe was closed, a hole in the metal piping started spraying water from this pressurized line. It was assumed that this new water flow was a result of the water line repair on 06/23/14. OSC reached out to Newark contacts and requested an immediate response. Newark Water and Sewer Department responded later that evening and shut off the valve that they believed supplied the water. They came out late yesterday...and then again earlier this morning. This should eliminate the water issue, allow us to pump out Building #12 Basement and then start the investigation.
- On 06/25/14, OSC and KEMRON performed another Level B PPE entry into Building #12 Basement. The city water pipe continued to flow water. Newark Water and Sewer Department returned to the site and open/resealed known valves. A second entry by OSC and KEMRON was conducted and the pipe was still observed to be pressurized and leaking. Several trouble shooting efforts by Newark Water and Sewer Department were attempted with no success. Eventually, a repair band was placed over the damaged area of the water line and the valve at the end of the line closed. The water flow appears to be stopped. Pumping of the water from Building #12 Basement has commenced.

Waste Generation Report US EPA Region 2 ERRS Riverside Avenue Site							
ERRS Contract EP-S2-10-01							
Task Order: 0038							
Manifest	Date					Method of	
Number	Shipped	QTY	Units	Waste Description	Waste Code	Disposal	Disposal Facility
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of

1837 UST1-002	12/19/2011	6396	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838 UST1	12/19/2011	5989	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838 UST2-001	12/20/2011	6068	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838-UST2-002	12/20/2011	6396	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838-UST3-001	12/20/2011	6396	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838-UST5-001	12/21/2011	5816	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838-UST5	1/13/2012	5865	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
1838-UST-005	1/13/2012	5457	Gallons	Contaminated Water	None	Discharge	New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of
JOB-113822	3/27/2012	6065	Gallons	Contaminated Water	None	Discharge	New York
				RQ, NA2212, Asbestos, 9, III (PPE & Bagged Debris}	None	Landfill	Cumberland County Landfill
1838-01-21312	2/13/2012	5.94	Tons				
				UN1993, Flammable Liquids, N.O.S. (Benzene, Tetrachloroethylene), 3, PG III	D001, D018, D022, D036	Treat and	Bridgeport United
009522336JJK	3/22/2012	5000	Gallons			Discharge	Recycling

				UN1993, Flammable Liquids, N.O.S. (Benzene, Tetrachloroethylene), 3, PG III	D001, D018, D022, D037	Treat and	Bridgeport United
009522338JJK	3/26/2012	5250	Gallons			Discharge	Recycling
					D001, D018, D022, D038	Treat and	Bridgeport United
009522339JJK	3/28/2012	5200	Gallons			Discharge	Recycling
				UN1993, Flammable Liquids, N.O.S. (Benzene, Tetrachloroethylene), 3, PG III	D001, D018, D022, D039	Treat and	Bridgeport United
009522340JJK	3/29/2012	5000	Gallons			Discharge	Recycling
				Non-DOT, Non-RCRA Regulated		Treat and	
94796	4/10/2012	6200	Gallons	Liquid (Water)	None	Discharge	
				Non-DOT, Non-RCRA Regulated		Treat and	Environmental Recovery Corporation
94795	4/10/2012	6150	Gallons	Liquid (Water)	None	Discharge	
				Non-DOT, Non-RCRA Regulated		Treat and	Environmental Recovery Corporation
94738	4/11/2012	6100	Gallons	Liquid (Water)	None	Discharge	
				Non-DOT, Non-RCRA Regulated		Treat and	
94798	4/11/2012	5200	Gallons	Liquid (Water)	None	Discharge	
				Non-DOT, Non-RCRA Regulated		Treat and	
94799	4/12/2012	6040	Gallons	Liquid (Water)	None	Discharge	
				Non-DOT, Non-RCRA Regulated		Treat and	
94800	4/12/2012	6000	Gallons	Liquid (Water)	None	Discharge	
				Non-DOT, Non-RCRA Regulated		Treat and	
94803	4/13/2012	6120	Gallons	Liquid (Water)	None	Discharge	
				NA3082, Hazardous Waste, Liquid, N.O.S. (Benzene), 9,		Treat and	Bridgeport United

				PG III			
009955035JJK	4/10/2012	4600	Gallons		D018	Discharge	Recycling
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-0741	4/18/2012	21.53	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-0611	4/18/2012	17.88	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-9609	4/19/2012	23.22	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-0074	4/19/2012	20.14	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-00135	4/20/2012	16.27	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-9911	4/20/2012	14.1	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated		Treat and	
1838-FT401	4/27/2012	5987	Gallons	Liquid, N.O.S. (Water)	None	Discharge	
				Non-RCRA, Non-DOT Regulated		Treat and	Environmental
1838-FT402	4/27/2012	6097	Gallons	Liquid, N.O.S. (Water)	None	Discharge	Recovery Corporation
				Non-RCRA, Non-DOT Regulated		Treat and	
1838-FT403	5/1/2012	3300	Gallons	Liquid, N.O.S. (Water)	None	Discharge	
				Non-RCRA, Non-DOT Regulated		Treat and	
1838-FT404	5/1/2012	4000	Gallons	Liquid, N.O.S. (Water)	None	Discharge	
					D001, D018, D022, D039		

009593421JJJ	5/2/2012	9	Drums			Incineration	Ross Incineration
				RQ, UN1993, Waste Flammable Liquid, N.O.S., 3, III (Diesel, Gasoline)	D001, D018, D008		
009593421JJJ	5/2/2012	23	Drums			Fuels Blending	Systech
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJJ	5/2/2012	5	Drums	Material (Spent Carbon)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJJ	5/2/2012	15	Drums	Material (Tank Solids)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJJ	5/2/2012	1	Drums	Material (Tank Solids)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJJ	5/2/2012	14	Drums	Material (Tank Liquids)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJJ	5/2/2012	5	Drums	Material (Drill Cuttings)	None	Landfill	County Landfill
				RQ, NA2212, Asbestos, 9, III {PPE & Bagged Debris}			Cumberland
1838-02	5/8/2012	10	Tons		None	Landfill	County Landfill
14001	6/4/2014	6396	Gallons		None		Clean Waters
14002	6/4/2014	6396	Gallons		None		Clean Waters
14003	6/4/2014	5526	Gallons		None		Clean Waters
012264610JJJ	6/16/2014	5,160	Gallons		D019, D023, D026, D039		Tradebe
012264611JJJ	6/17/2014	5,850	Gallons		D019, D023, D026, D039		Tradebe
012264612JJJ	6/18/2014	5,312	Gallons		D019, D023, D026, D039		Tradebe
012264613JJJ	6/18/2014	5,285	Gallons		D019, D023, D026, D039		Tradebe
012264614JJJ	6/19/2014	5,360	Gallons		D019, D023, D026,		Tradebe



					D039		
012264728JJK	6/19/2014	5,360	Gallons		D019, D023, D026, D039		Tradebe
012264729JJK	6/20/2014	5,475	Gallons		D019, D023, D026, D039		Tradebe

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

Investigate underground tunnel between Building #12 Basement and Building #7. There will be a temporary personnel demobe due to 4th of July holiday. Removal work will be shut down starting close of business on 07/02/14 and resume on 07/09/14. Security will be on-site throughout this date range.

#### 2.2.1.1 Planned Response Activities

The assessment, removal and disposal of hazardous liquid, sludge and solids from Building #7 Basement Vault areas.

#### 2.2.1.2 Next Steps

Continue to remove sludge from Building #7 Basement Vaults, solidify and stage for disposal. Continue to transfer liquid, Building #7 Basement Vaults into the frac tanks. This liquid will now be filtered to cut down on the solids. Continue to schedule transportation of liquid waste for disposal. Create profile for solid waste.

### 2.2.2 Issues

None

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

### 2.4.1 Narrative

An Action Memo in the amount of \$1,175,000 was approved on 8-23-2011 for this removal action (RV3).

A draft Action Memo to request a \$2 Million Statutory Limitations Exemption and Ceiling Increase was submitted to management for review on 03/15/12.

The Original RV1 ERRS Ceiling was \$150,000. Only \$55,570.11 was expended and the remaining \$94,429.89 of unused funds was de-obligated from Contract 68-S2-99-07, Task Order 012 at the completion of RV1. This unused capacity is now available for use under RV3.

The Original RV2 ERRS Ceiling was \$225,000. Only \$9,454.56 was expended and the remaining \$215,545.45 of unused funds was de-obligated from Contract EP-W-04-055, Task Order 087 at the completion of RV2. This unused capacity is now available for use under RV3.

The Original RV3 ERRS Ceiling amount was \$1,175,000. Combined with the unused ceiling amounts remaining from RV1 and RV2, the available ERRS ceiling for RV3 is now \$1,484,975.34 (\$1,175,000 + \$94,429.89 + \$215,545.45).

On 04/08/14, the Action Memo that requested a \$2 Million Statutory Limitations Exemption and Ceiling Increase of \$1,000,000 was approved.

On 04/25/14, OSC Daly requested a Task Order increase of \$300,000.

As of 05/01/14, the total project ceiling is \$2,886,000. The total mitigation ceiling in the Action Memo is \$2,496,000. The

current ERRS Task Order #0038 ceiling is \$1,734,975.00 with a remaining balance of \$317,018.86.

On 05/12/14, the Task Order increase of \$300,000 was processed.

On 06/27/14, OSC Daly requested a Task Order increase of \$260,000.

As of 06/27/14, the total project ceiling is \$2,886,000. The total mitigation ceiling in the Action Memo is \$2,496,000. The current ERRS Task Order #0038 ceiling is \$2,034,975.00 with a remaining balance of \$189,408.55.

#### 2.1.4 Progress Metrics

#### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$2,034,975.00	\$1,845,566.45	\$189,408.55	9.31%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	\$2,034,975.00	\$1,845,566.45	\$189,408.55	9.31%

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

#### 2.5 Other Command Staff

No information available at this time.

### 3. Participating Entities

#### 3.1 Unified Command

n/a

#### 3.2 Cooperating Agencies

USCG

NJ Division of Criminal Justice

City of Newark OEM

City of Newark Fire Department

NJDEP

### 4. Personnel On Site

#### USEPA

OSC Daly

#### KEMRON

1-Response Manager

1-Field Accountant

1-T&D Coordinator/Chemist (Off-Site hours authorized)

2-Operators

1-Cleanup Technician

1-Cleanup/Operator Technicians

1-Chem. Technician

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.